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## Material Safety Data Sheet (MSDS)

### Section 1: Chemical Product and Company Identification

**Product Name :** Vitabrid C12 Scalp Shampoo

**Contact Information:**

**PL COSMETICS CO., LTD.**

46, Namdongdong-ro 197Beon-gil, NamDong-gu,  
Incheon KOREA (postcode : 21643)

**Chemical Family:**

Cleansing Agent, Hair Conditioning Agent and mixture of  
extracts.

Emergency Telephone Number:  
+ 82-32-819-2126

**Synonym:** Hair Shampoo

### Section 2: Composition and Information on Ingredients

**Composition:**

Name	CAS #	% by Weight
Purified Water	7732-18-5	> 40.0 %
Disodium Laureth Sulfosuccinate	39354-45-5	< 35.0 %
Cocamidopropyl Betaine	61789-40-0	< 20.0 %
Cocamide MEA	68140-00-1	< 3.0 %
Centella Asiatica Leaf Water	-	< 2.0 %

**Toxicological Data on Ingredients:** Not applicable

### Section 3: Hazards Identification

**Potential Acute Health Effects:** Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

### Section 4: First Aid Measures

**Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:** Not available.

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:** Not available.

## Section 5: Fire and Explosion Data

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** 212°F.< (TCC)

**Flammable Limits:** Not available.

**Products of Combustion:** These products are carbon oxides (CO, CO<sub>2</sub>).

**Fire Hazards in Presence of Various Substances:** Slightly flammable to flammable in presence of open flames and sparks, of heat.

**1) Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

**2) Fire Fighting Media and Instructions:**

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

## Section 6: Accidental Release Measures

**Small Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Large Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system

## Section 7: Handling and Storage

**Precautions:**

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/vapor/spray. Keep away from incompatibles such as oxidizing agents.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

## Section 8: Exposure Controls/Personal Protection

### Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal Protection:** Safety glasses. Lab coat or Synthetic apron. Gloves (impervious).

### Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available.

## Section 9: Physical and Chemical Properties

**Appearance and Oder :** Light yellow Transparent Viscous Liquid and Characteristic Fragrance

**Taste :** Not available.

**pH (1% soln/water) :** (25°C 100%) : 5.50 ± 0.30

**Boiling Point :** Not applicable.

**Melting Point :** Not applicable

**Critical Temperature:** Not available.

**Specific Gravity :** 1.04 (Water = 1)

**Vapor Pressure :** Not available.

**Vapor Density :** Not available.

**Volatility :** Not available.

**Odor Threshold :** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water) :** Not available.

**Dispersion Properties :** Not available.

**Solubility :** Soluble in cold water, hot water.

## Section 10: Stability and Reactivity Data

**Stability:** Stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Not available.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Not available

**Special Remarks on Corrosivity:** Not available

**Polymerization:** Will not occur.

## Section 11: Toxicological Information

**PRIMARY ROUTE(S) OF ENTRY:** Eye: X, Inhalation: X, Skin: X , Ingestion: X

SIGNES OR SYPTOMS OF EXPOSURE :

ACUTE AND CHRONIC OVEREXPOSURE:

Eyes: May cause irritation to the eye

Skin: May cause skin or scalp irritation.

Ingestion: May cause severe irritation and gastrointestinal damage.

MEDICAL CONDITIONS GENERALLY AGRIVATED BY EXPOSRUE:

LIST AS CARCINOGEN OR POTENTIAL CARCINOGEN:

NATIONAL TOXICICOLGY : No

I.A.R.C MONOGRAPHS : No

OSHA : No

### EMERGENCY AND FIRST AID PROCEDURES:

1. EYES : Immediately flush skin with plenty of water for at least fifteen(15)minutes, while holding eyelids apart to ensure flushing of entire surface. Call a physician. Do not rub eyes.

2. SKIN : Immediately flush skin with plenty of water for at least fifteen(15)minutes while removing contaminated clothing and shoes. Thoroughly clean before reuse. Discard contaminated shoes and leather articles.

## Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The product itself and its products of degradation are not toxic.

**Special Remarks on the Products of Biodegradation:** Not available.

### Section 13: Disposal Considerations

**Waste Disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations

### Section 14: Transport Information

**A. UN No** : Not applicable.

**B. Proper shipping name** : Not applicable.

**C. Harzard Class** : Not applicable.

**D. Packing group** : Not applicable.

**E. Marine pollutana** : Not applicable.

**F. Special precautions for user related to transport or transportation measures**

: Air tansport(IATA): Not subject to IATA regulations.

### Section 15: Other Regulatory Information

**Federal and State Regulations** : Not applicable.

**Other Regulations** : Not applicable.

**Other Classifications** : Not applicable.

**Equipment** : Not applicable.

### Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 07. FEBRUARY. 2020.

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